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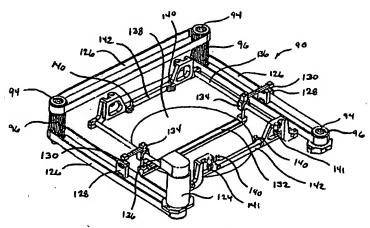
- (74) Agents: PARKER, Paul, T.: Perkins Coie LLP, P.O. Box 1247, Seattle, WA 98111-1247\_ et al. (US).
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[Continued on next page]

(54) Title: A MICROELECTRONIC WORKPIECE PROCESSING TOOL INCLUDING A PROCESSING REACTOR HAVING A PADDLE ASSEMBLY FOR AGITATION OF A PROCESSING FLUID PROXIMATE TO THE WORKPIECE



(57) Abstract: An integrated tool is provided including at least one workpiece processing station having a paddle assembly. In accordance with another independent aspect of the present invention, the workpiece processing station is adapted for adjusting the level of the processing fluid relative to a workpiece, wherein the portion of the workpiece to be processed and possibly the paddle is selectively immersed within the processing fluid. In accordance with a further independent aspect of the present invention, a paddle is provided for use proximate to a workpiece in a workpiece processing station. The paddle includes one or more sets of delivery ports and one or more sets of fluid recovery ports. In at least one embodiment, the paddle provides for agitation of a processing fluid proximate to the surface of the workpiece. In at least another embodiment, the paddle provides for the delivery and/or recovery of one or more fluids to the portion of the workpiece to be processed. One aspect of the present invention enables the fluids supplied to

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

International Application No

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Further	r documents are listed in the continuation of box C.	Patent family med	mbers are listed in a	innex.
document considered earlier doc filing date document which is c citation of document other mea document later than	which may throw doubts on priority claim(s) or crited to establish the publication date of another or other special reason (as specified) referring to an oral disclosure, use, exhibition or ans published prior to the international filling date but the priority date claimed	"T" tater document publish or priority date and no cited to understand the invention "X" document of particular cannot be considered involve an inventive at "Y" document of particular cannot be considered document is combined ments, such combinat in the art.  "&" document member of the control of the control of the control of the art.	It in conflict with the e principle or theory relevance; the claim novel or cannot be lep when the docum relevance; the claim to involve an invent d with one or more claim being obvious to the principle of the involve an invent door being obvious to the principle of the principle of the principle of the principle of the principle of the principle of principle of principle principle of principle of principle of principle of principle principle of principle pr	application but r underlying the  ned invention considered to lent is taken alone led invention live step when the ther such docu- e a person skilled
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International Application No
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## INTERNATIONAL SEARCH REPORT

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sneet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
1. X As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest.

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information on patent family members

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#### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-8,12-22,29-35,38-47

Apparatus for plating a layer of material on a workpiece

2. Claims: 9-11,23-25,36,37

Apparatus for plating comprising a plurality of float assemblies

3. Claim: 26

Apparatus for plating comprising a processing vessel with two fluid outlets

4. Claim: 27

Apparatus for plating comprising a magnet

5. Claim: 28

Apparatus for plating with a special head assembly